

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method of inducing pro-inflammatory effects in synovial cells, comprising:

exposing a plurality of synovial cells to a peptide comprising an amino acid sequence set forth in ~~SEQ ID NO.: 2~~. SEQ ID NO: 2; and
culturing the exposed cells and obtaining or/and assessing the result of inducing pro-inflammatory effect in synovial cells.

Claim 2 (original): The method of Claim 1, wherein the peptide has pro-inflammatory effects on human synovial cells.

Claim 3 (original): The method of Claim 1, wherein the peptide induces expression of cell adhesion molecules in human synovial cells.

Claim 4 (original): The method of Claim 1, wherein the peptide has pro-inflammatory effects on synovial cells of a rheumatoid joint of a patient.

Claim 5 (currently amended): A pharmaceutical composition comprising ~~the peptide of~~ Claim 1 a peptide and a pharmaceutically acceptable carrier or diluent[[.]], said peptide

comprising an amino acid sequence set forth in SEQ ID NO:2.

Claim 6 (currently amended): A pharmaceutically acceptable salt or derivative of a peptide the peptide of Claim 1[.]], said peptide comprising an amino acid sequence set forth in SEQ ID NO: 2.

Claim 7 (currently amended): An analog of a peptide comprising an amino acid sequence set forth in ~~SEQ ID NO.: 2~~ SEQ ID NO: 2, wherein C-terminal proline residue of SEQ ID NO: 2 is amidated at carboxyl group of said residue proline 4 comprises an amide form of proline, the analog being substantially ineffective at inducing expression or production of cell adhesion molecules, or cell adhesion messengers, in synovial cells.

Claim 8 (original): A pharmaceutical composition comprising the analog of Claim 7 and a pharmaceutically acceptable carrier or diluent.

Claim 9 (original): A pharmaceutically acceptable salt or derivative of the analog of Claim 7.

Claim 10 (original): A method of treating or preventing inflammation of synovial joint in a subject by administering an effective amount of the analog of Claim 7.

Appl No.: 09/931,009
Amdt. dated August 23, 2004
Reply to Office Action of April 29, 2004

Claim 11 (original): A method of treating or preventing rheumatoid arthritis in a subject by administering an effective amount of the analog of Claim 7.

Claims 12-15 (canceled).